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(19) **United States**(12) **Patent Application Publication**  
**Aldhamen et al.**(10) **Pub. No.: US 2020/0147171 A1**(43) **Pub. Date: May 14, 2020**(54) **COMPOSITIONS OF CRACC FUSIONS AND  
METHODS FOR MODULATING AN  
IMMUNE RESPONSE AGAINST CANCERS,  
INFECTIONS DISEASES AND DISORDERS**(71) Applicant: **Board of Trustees of Michigan State  
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Lansing, MI (US)(21) Appl. No.: **16/574,397**(22) Filed: **Sep. 18, 2019****Related U.S. Application Data**(60) Provisional application No. 62/732,975, filed on Sep.  
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(57)

**ABSTRACT**

The present invention relates to compositions and methods for modulating immune responses using at least one CRACC composition comprising an adenoviral vector comprising at least one CRACC fusion. Such CRACC compositions may be combined with a number of other therapeutic agents which target modulating immune responses, as well as, treatments that include immune events.

**Specification includes a Sequence Listing.**